

CLAIMS

1. An electronic medical information system using a computer to manage electronic medical information such as charts, said electronic medical information system being equipped with a control server comprising:

an input means for inputting, among the information written on said charts, patient's chief complaint information into a chief complaint information file and for inputting doctor's consultation information associated with said patient's chief complaint information into a consultation information file;

an accumulation means for accumulating said chief complaint information and said consultation information;

a calculation means for scoring, with respect to each date of consultation, the latest chief complaint information and consultation information input by said input means, and the past chief complaint information and consultation information accumulated by said accumulation means, respectively; and

a generation means for automatically generating, based on said scores, a list by which a temporal variation of said chief complaint information and consultation information can be viewed.

2. The electronic medical information system according to claim 1, wherein said control server comprises a display

means for displaying said list to be viewable.

3. The electronic medical information system according to claim 1 or 2, wherein

said control server is configured to set and display a table in which a plurality of symptoms and degrees of respective symptoms are selectably listed, and the input means of said chief complaint information and consultation information automatically inputs one or more relevant symptoms and degrees of symptoms, in response to the user operation of selecting them from the table, into said chief complaint information file and the consultation information file, and wherein

said calculation means is configured to automatically calculate by aggregating relevant scores corresponding to the degree of the selected symptom, with each of said degrees of symptoms having a pre-defined score assigned thereto.

4. The electronic medical information system according to any of claims 1 to 3, wherein said control server is configured to display, in conjunction with said table, an image simulating a human body with check buttons provided on major regions thereof, and when any one of said symptoms is selected, the check button corresponding to the region which is developing the selected symptom is automatically checked.

5. The electronic medical information system according to any of claims 1 to 4, wherein said list generation means is configured to automatically generate a graph by which temporal variation of the scores calculated by said calculation means can be viewed.

6. The electronic medical information system according to any of claims 1 to 5, wherein said list generation means is configured to present said scores calculated by said calculation means in time series for respective symptoms of the chief complaint information and consultation information so that it can be compared with the temporal variation of said graph.

7. The electronic medical information system according to any of claims 1 to 6, wherein said control server comprises: a display means for displaying an image simulating a human body in conjunction with said list and displaying, when symptoms of the chief complaint information and consultation information are input by said input means, link buttons at the region where the respective symptoms are developing on the image simulating the human body; a reading means for reading, from the chief complaint information or consultation information accumulated in said accumulation means, each information of the region displaying the link

button when the displayed link button is pressed; and a display means for displaying each information which has been read to be viewable.

8. The electronic medical information system according to any of claims 1 to 7, wherein said control server comprises a generation means for generating a list so that, when the patient is receiving consultation for a plurality of different diseases around the same period, the respective diseases can be viewed on the same screen in a distinguishable manner.

9. The electronic medical information system according to any of claims 1 to 8, wherein said control server comprises: an input means for inputting electronic chart information composed of one or more of information as to disease name, chief complaint reported at the consultation, history of present illness, anamnesis, anamneses of family members, observations of the doctor, inspection, treatment, dosage, injection/instillation, next-reservation; a generation means for generating an electronic chart based on the input information; a storage means for storing the generated electronic chart into an electronic chart file; a reading means for setting and displaying, on said list, a link button associated with the electronic chart and reading the electronic chart from said electronic chart file when the

link button is pressed; and a display means for displaying the electronic chart which has been read out to be viewable.

10. The electronic medical information system according to any of claims 1 to 9, wherein the input means for inputting said electronic chart information is configured to input handwritten information either in an imaged or coded manner.

11. The electronic medical information system according to any of claims 1 to 10, wherein the input means for inputting said electronic chart information comprises: an audio input means, such as a microphone, for inputting audio information; and an image input means such as a camera for inputting image information, and wherein said electronic chart generation means generates an electronic chart so that the audio information and image information can be reproduced from the electronic chart as a part of the electronic chart.

12. The electronic medical information system according to any of claims 1 to 11, wherein if the patient did not appear on the day reserved in the next-reservation information which has been input by said input means of electronic chart information, said list generation means generates the list after clearing the field for the day.

13. The electronic medical information system according

to any of claims 1 to 12, wherein said control server comprises: a reading means for reading, from said electronic chart file, one or more of information as to inspection, treatment, dosage, and injection/instillation; and an accumulation means for accumulating the information which has been read out, and wherein said control server sets/displays a link button for each information on the list when said list generation means arranges the temporal variation of each of the accumulated information in time series so that it can be compared with the temporal variation of the said graph, reads corresponding information accumulated by said accumulation means upon pressing of any of the link buttons, and display the information which has been read out to be viewable.

14. The electronic medical information system according to any of claims 1 to 13, wherein said control server comprises: a storing means for storing, into a conventional chart file, a conventional chart converted into an electronic document format which precisely reproduces an original image; a reading means for reading, upon request for viewing the conventional chart file, a conventional chart requested for viewing from said conventional chart file; and a display means for displaying the conventional chart which has been read out to be viewable.

15. The electronic medical information system according to any of claims 1 to 14, wherein, of the information recorded in said conventional chart file, the information corresponding to said electronic chart information is accumulated by the accumulation means according to claim 13, and said list generation means is configured to present the temporal variation of each information of the accumulated conventional chart in time series so that it can be compared with the temporal variation of said graph.

16. The electronic medical information system according to any of claims 1 to 15, wherein said input means of chief complaint information is implemented by transmitting data, to the control server, from a communication terminal used by the doctor for consultation via a LAN or a WAN, or from the patient's communication terminal via a communication network such as the Internet.

17. The electronic medical information system according to any of claims 1 to 16, wherein said input means of consultation information is implemented by transmitting data from said consultation terminal to said control server.

18. The electronic medical information system according to any of claims 1 to 17, wherein said patient's communication terminal transmits, via a communication network such as the

Internet, vital information including one or more of the patient's weight, blood pressure, frequency of meals, content of meals, taking exercise or not, and sleeping hours to said control server, with said control server comprising an input means for receiving the transmitted vital information and inputting it into a vital information file, and a generation means for generating said list by arranging the vital information in time series so that it can be compared with the temporal variation of said graph.

19. The electronic medical information system according to any of claims 1 to 18, wherein said input means of electronic chart information is implemented by transmitting data from said consultation terminal to said control server via a LAN or a WAN.

20. The electronic medical information system according to any of claims 1 to 19, wherein said consultation terminal comprises an input means for inputting handwritten information in an imaged or coded form.

21. The electronic medical information system according to any of claims 1 to 20, wherein said consultation terminal comprises said audio input means and said image input means.

22. The electronic medical information system according

to any of claims 1 to 21, wherein, upon receiving a request, via a communication network such as a LAN, a WAN, or the Internet, for viewing said list or the information accumulated by said accumulation means from said consultation terminal, said patient's communication terminal, and a communication terminal of a viewer such as an inspection engineer, a dispensing pharmacy clerk, an ambulance crew, a paramedic, a doctor on duty, or a doctor of another hospital, said control server is configured to display the list or said each information to be viewable, within the authorized range, from the consultation terminal, the patient's communication terminal, and the viewer's communication terminal, respectively.

23. The electronic medical information system according to any of claims 1 to 22, wherein said control server is configured such that, by letting an IC card reader/writer connected to a communication terminal read the IC card carried by a person permitted to use the communication terminal being one or more of said consultation terminal, said patient's communication terminal, and the viewer's communication terminal, said control server receives a signal requesting authorization via a communication network such as a LAN, a WAN, or the Internet and performs said authorization.

24. The electronic medical information system according to any of claims 1 to 23, wherein said control server is configured such that, by letting the reader/writer connected to the communication terminal of a viewer such as an ambulance crew, a paramedic, or a doctor on duty read said IC card carried by the patient and the IC card carried by the ambulance crew, the paramedic, or the doctor on duty, in case of emergency, the control server receives and authorizes a signal requesting authorization via a communication network such as a LAN, a WAN, or the Internet, and displays at least said information of history of present illness and anamnesis so that they can be viewed with the viewer's communication terminal.

25. An electronic medical information program for causing, for the purpose of introducing electronic medical information, a computer to function as: an input means for inputting said patient's chief complaint information into its chief complaint information file and for inputting said doctor's consultation information into its consultation information file; an accumulation means for accumulating the chief complaint information input into the chief complaint information file and the consultation information input into the consultation information file; a calculation means for scoring, with respect to each date of consultation, the input latest chief complaint information and

consultation information, and the accumulated past chief complaint information and consultation information, respectively; a generation means for automatically generating, based on the calculated scores, a list by which the temporal variation of the chief complaint information and consultation information can be viewed.

26. The electronic medical information program according to claim 25 for causing, for the purpose of introducing electronic medical information, a computer to function as a display means for displaying said list.

27. The electronic medical information program according to claim 25 or 26 for causing, for the purpose of introducing electronic medical information, a computer to function as: an input means for inputting said electronic chart information; a generation means for generating an electronic chart from the input electronic chart information; a storing means for storing the generated electronic chart in an electronic chart file; a reading means for setting/displaying link buttons associated with the electronic chart file on said list and reading, upon pressing of any of the link buttons, the electronic chart from said electronic chart file; and a display means for displaying the electronic chart which has been read out to be viewable.

28. The electronic medical information program according to any of claims 25 to 27 for causing, for the purpose of introducing electronic medical information, a computer to function as: a reading means for reading, from said electronic chart file, one or more of information as to inspection, treatment, dosage, and injection/instillation; an accumulation means for accumulating the information which has been read out; said list generation means for arranging the temporal variation of each of the accumulated information in time series so that it can be compared with the temporal variation of said graph; a reading means for setting/displaying a link button for each information on the list and reading the corresponding information accumulated by said accumulation means upon pressing of any of the link buttons; and a display means for displaying the information which has been read out to be viewable.

29. The electronic medical information program according to any of claims 25 to 28 for causing, for the purpose of introducing electronic medical information, a computer to function as: a storage means for storing, into a conventional chart file, said conventional chart converted into an electronic document format which precisely reproduces an original image; a reading means for reading, upon request for viewing the conventional chart file, a conventional chart requested for viewing from said conventional chart file;

and a display means for displaying the conventional chart which has been read out to be viewable.

30. The electronic medical information program according to any of claims 25 to 29 for causing, for the purpose of introducing electronic medical information, a computer to function as: an accumulation means for accumulating, using the accumulation means according to claim 28, the information corresponding to said electronic chart of the information recorded in said conventional chart file; and a generation means for generating said list by arranging the temporal variation of each information of the accumulated conventional chart in time series so that it can be compared with the temporal variation of said graph.

31. The electronic medical information program according to any of claims 25 to 30 for causing, for the purpose of introducing electronic medical information, a computer to function as: an input means for receiving, upon transmission of vital information including at least one or more of information of the patient's weight, blood pressure, frequency of meals, content of meals, taking exercise or not, sleeping hours, from said patient's communication terminal to the computer via a communication network such as the Internet, the transmitted vital information and inputting it into a vital information file; and a generation

means for generating said list by arranging the vital information in time series so that it can be compared with the temporal variation of said graph.

32. A computer readable recording media for storing the electronic medical information program according to any of claims 25 to 31.